



## C1D1 Hazardous Jelly Jar LED Luminaire



Date: \_\_\_\_\_ Location: \_\_\_\_\_

Product: \_\_\_\_\_ Project: \_\_\_\_\_

Quantity: \_\_\_\_\_ Catalog# \_\_\_\_\_

### FEATURES

- CLASS 1 DIVISION 1 EX Grade
- Compact and robust structure, excellent reliability
- Various installation ways for different applications
- Great impact resistance with IK08/IK10 certified
- Copper-free aluminum housing, great corrosion resistance and cooling performance

### SUITABLE APPLICATIONS

- Power Plants
- Heavy Industrials Storage Facility
- Paper mills
- Wastewater Treatment Plants
- Loading Docks Platforms
- Offshore Environments
- Chemical Processing Facility
- Petrochemical Processing Facility
- Metallurgical industry
- Coal Mine
- Food and Alcohol industry

### CONSTRUCTION:

The Jelly Jar Hazardous LED luminaire is the ideal choice for marine, coal, mine or other hazardous applications. They can be used in locations where moisture, dirt, dust, corrosion and vibration may be present, or areas where wind, water, snow or high ambient can be expected.

### WARRANTY:

5-Year Standard Warranty

### Compliance:

UL 844 Hazardous Locations  
Class I Division 1, Group C, D  
Class I Division 2, Group A, B, C, D/Class II Division 1, Group E, F, G  
Class II Division 2, Group F, G/Class III/Class I, Zone 1, Group IIB  
Class II, Zone 21, Group IIIC/UL 1598 Wet Locations  
ETL (ATM for Report 105342415DAL-001/003)/ABS/IP66/IK10

### INSTALLATION & MOUNTING:

Ceiling, Pole, Pendant, Wall mount options

### PERFORMANCE

| Model NO         | PowerFactor | Rated Power | Voltage/Current Input |       | Light Efficiency | Kelvin Options |
|------------------|-------------|-------------|-----------------------|-------|------------------|----------------|
|                  |             |             | 120V                  | 277V  |                  |                |
| EX-40W GD50D120C | 0.95        | 40W         | 0.33A                 | 0.14A | 110LM/W          | 5000K          |

## Technical Parameter

|                         |                                 |
|-------------------------|---------------------------------|
| Specification/Model     | EX-40W GD50D120C                |
| EX Grade                | CLASS 1 DIVISION 1              |
| Rated Power             | 40W                             |
| Lumens output           | 44000LM                         |
| Efficiency              | 110LM/W                         |
| CRI                     | > 70                            |
| CCT                     | 500K                            |
| Input voltage           | 120-277AC                       |
| Light distribution type | 120°                            |
| Working temperature     | -40°F to 149°F                  |
| Housing Material        | Copper-free aluminum            |
| Diffuser                | Tempered glass                  |
| Hardware                | Stainless steel                 |
| Protection              | IP66/IK10                       |
| Mounting                | Ceiling, Pole, Pendant, Wall    |
| Cable Entry             | Top outlet: 3/4 NPT (standard), |
| Equivalent              | 80-120WMH/HPS                   |

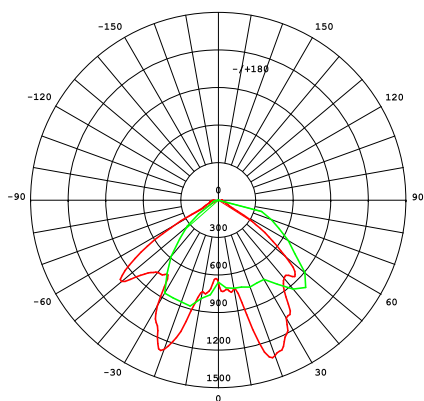
## PRODUCT ORDERING GUIDE

 EX-40W GD50D120C  
 1 2 3 4 5 6 7

EX 40W D 50 D120 C

- |                                     |      |                                         |
|-------------------------------------|------|-----------------------------------------|
| <input checked="" type="checkbox"/> | EX   | Explosion Proof Hazardous LED Luminaire |
| <input checked="" type="checkbox"/> | 40W  | Wattage                                 |
| <input checked="" type="checkbox"/> | G    | Shell Shape Series                      |
| <input checked="" type="checkbox"/> | D    | Dimmable                                |
| <input checked="" type="checkbox"/> | 50   | Color Temperature 5000K                 |
| <input checked="" type="checkbox"/> | D120 | Beam Angle 120°                         |
| <input checked="" type="checkbox"/> | C    | Spherical glass                         |

## DISTRIBUTION DIAGRAM



### 120 Degree

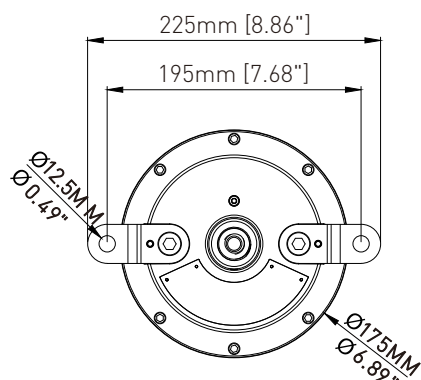
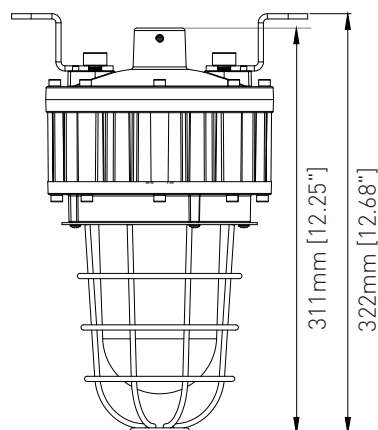
UNIT:cd

- V0.0DEG PLAN, 118.7

- H 0.0DEG PLAN, 123.5

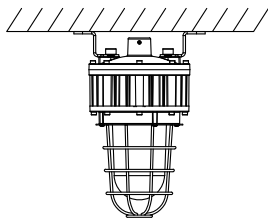
AVERAGE BEAM ANGLE(50%):121.1 DEG

## DIMENSION Unit: mm [inch]

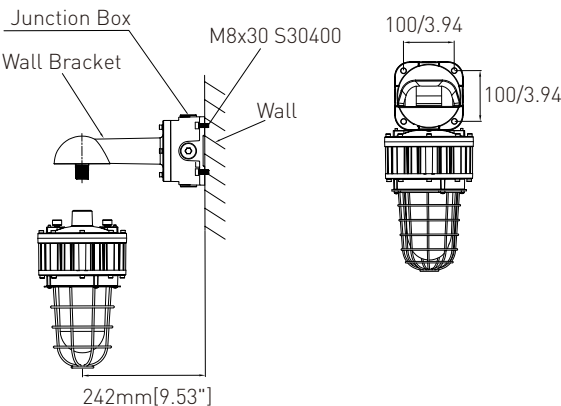


Mounting Methods and Accessories:

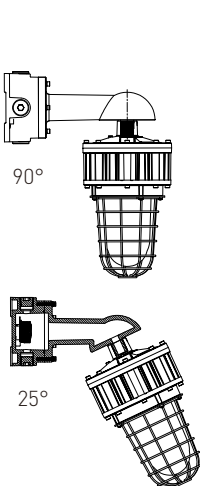
Standard 1 : Ceiling Mounting



Option 2: Wall Mounting



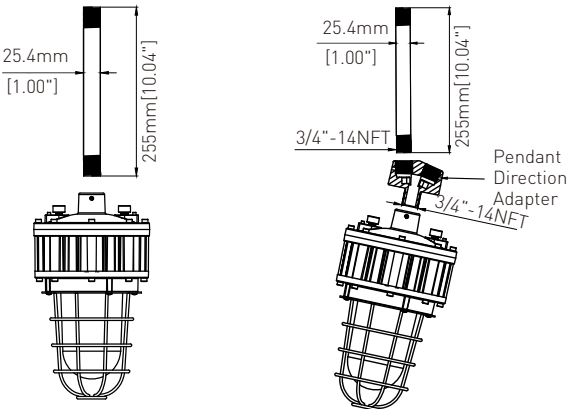
Accessories



Stanchion Arm  
EX-HD51-KYD 90

Stanchion Arm  
EX-HD51-KYD 25

Option 3: Pendant Mounting (Vertical)



Accessories

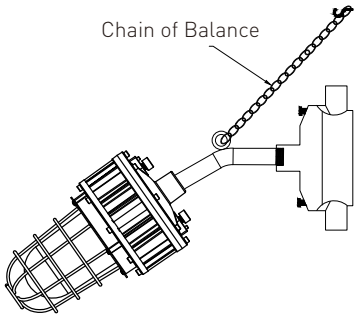


Pole  
Ex-Straight Pipe



Pendant Direction Adapter  
Ex-D01

Option 4: Pendant Mounting (Non-vertical)



Accessories



Junction Box  
EX-HD51-KB1



Pole  
Ex-Bended Pipe



Pendant Chain  
Ex-Straight Chain